WARM UP:

1. IQ scores have a mean of 100 points and a standard deviation of 16 points.
2. Find the Z score for a person who scored 110 points. Interpret what this means in context of the problem.
3. Find the Z score for a person who scored 75 points. Interpret what this means in context of the problem
4. Convert the following Z scores back into an IQ score: -1.7 and 2.3
5. Who would have the more unusual score: someone who scored 120 points or someone who scored 70 points? Why?
6. John is the quarterback on the football team. Last season, his total yards was in the 70th percentile for quarterbacks in his state.
7. Explain what this means in context of the problem
8. John looks up his national rankings, and finds he is only in the 35th percentile. How can this be true? Be complete in your answer.
9. Draw a density curve that is uniform, with a width of 6.
   1. What is the mean? The median?
   2. What percent of the data is below 4.8?
   3. What percent of the data is above 2.2?
   4. What percent of the data is between 1.7 and 5.3?
   5. What percent of the data is below 1.8?

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